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1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 2-22 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material
Beldfoil®	Aluminum Foil-Polyester Tape

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x#32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Overall Cable

Overall Nominal Diameter: 4.801 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	25.299 Kg/Km
Max. Recommended Pulling Tension:	186.380 N
Min. Bend Radius/Minor Axis:	48.260 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes

METRIC MEASUREMENT VERSION

5541FE Multi-Conductor - Commercial Applications

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

Mil Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6541FE

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

78.744

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

141.903

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.4803

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

45.6059

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5541FE 008U1000	1,000 FT	21.000 LB	GRAY		2 PR #22 PO FS FRPVC
5541FE 0081000	1,000 FT	20.000 LB	GRAY	C	2 PR #22 PO FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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